

ABSTRACT

In an inverter device, destruction and malfunction (latch up) of a high compression IC is prevented.

An inverter device includes an inverter circuit (3) including a bridge circuit (6) connected between a positive electrode and a negative electrode of a direct current power supply (7), the bridge circuit including an upper arm unit (4) and a lower arm unit (5) connected in series, wherein the upper arm unit includes a upper arm switching element (T1) and a diode (D1) connected back-to-back to each other, and the lower arm unit includes a lower arm switching element (T2) and a diode (D2) connected back-to-back to each other; an inverter driving unit (2) including a high compression IC (10) that drives the upper arm switching element and the lower arm switching element; and a clamp unit (D10) that clamps a difference in potential between a lower-arm driving reference supply terminal of the high compression IC and an upper arm driving high-pressure side power supply terminal of the high compression IC.